

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082423\
 Data File : VY015328.D
 Acq On : 24 Aug 2023 21:35
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 03:27:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

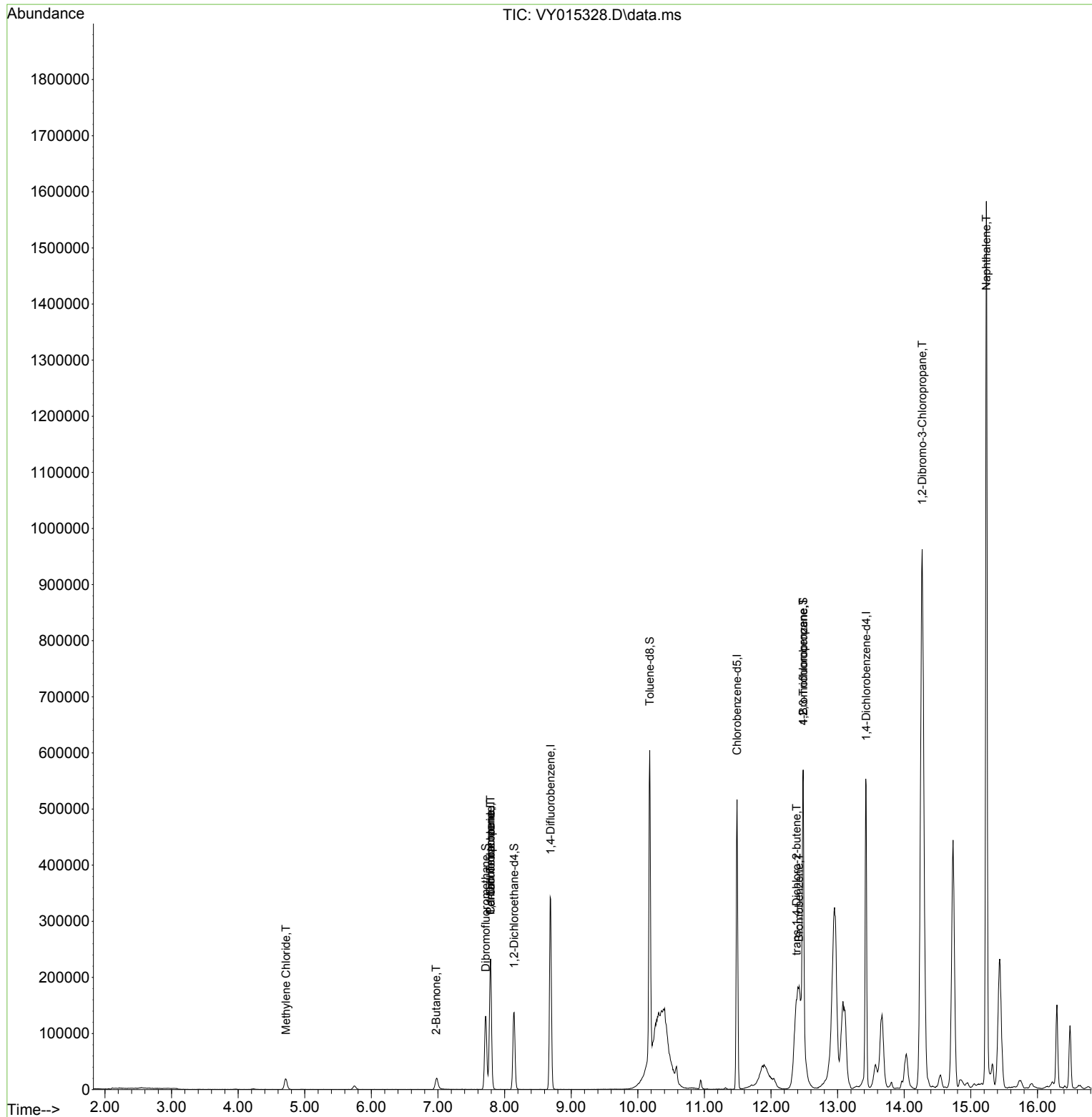
Internal Standards						
1) Pentafluorobenzene	7.789	168	179014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	297306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	272386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	147921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	111113	51.707	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.420%	
35) Dibromofluoromethane	7.716	113	91749	47.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.940%	
50) Toluene-d8	10.179	98	352475	49.504	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.000%	
62) 4-Bromofluorobenzene	12.483	95	129375	49.748	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	319	Below Cal		89
5) Bromomethane	2.668	94	213	Below Cal		87
11) Tert butyl alcohol	4.960	59	433	Below Cal	#	89
20) Methylene Chloride	4.716	84	14266	4.548	ug/l	90
25) 2-Butanone	6.972	43	1349	1.357	ug/l #	49
31) Cyclohexane	7.789	56	3669	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13877	6.558	ug/l #	50
38) Carbon Tetrachloride	7.789	117	18026	7.198	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	73729	41.026	ug/l #	100
77) Bromobenzene	12.422	156	357573	154.224	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.386	75	5013	6.127	ug/l #	21
92) 1,2-Dibromo-3-Chloropr...	14.269	75	96059	200.166	ug/l #	3
95) Naphthalene	15.233	128	1268426	184.621	ug/l	99

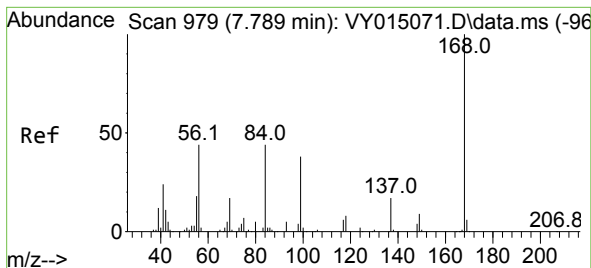
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.789 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY015328.D

Acq: 24 Aug 2023 21:35

Instrument :

MSVOA_Y

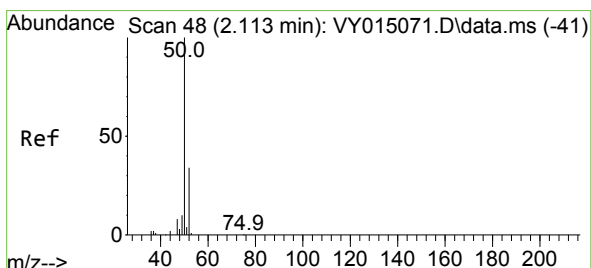
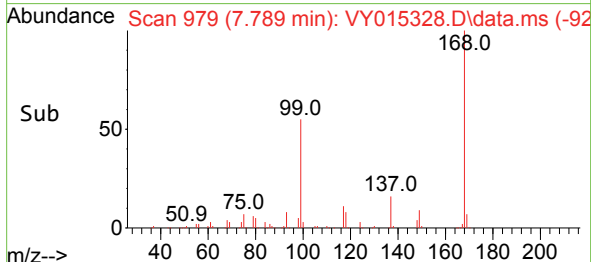
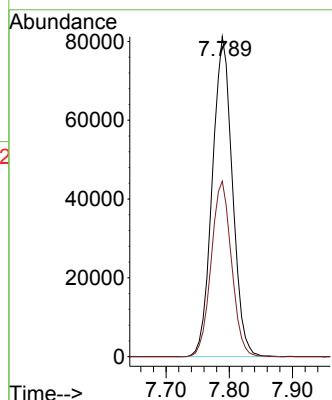
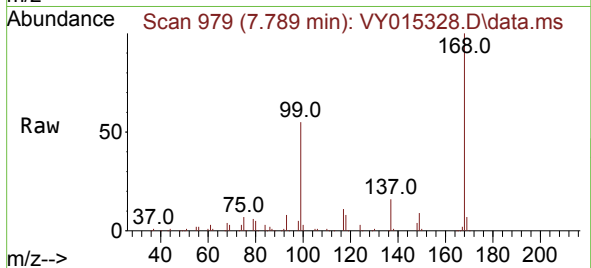
ClientSampleId :

Tgt Ion:168 Resp: 179014

Ion Ratio Lower Upper

168 100

99 54.8 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.107 min Scan# 47

Delta R.T. 0.000 min

Lab File: VY015328.D

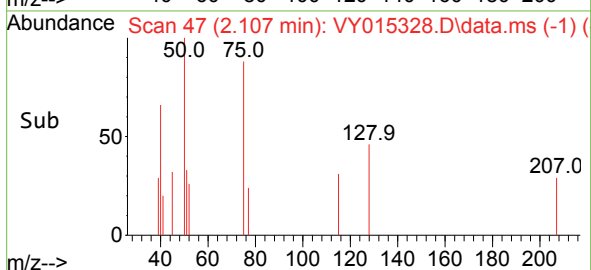
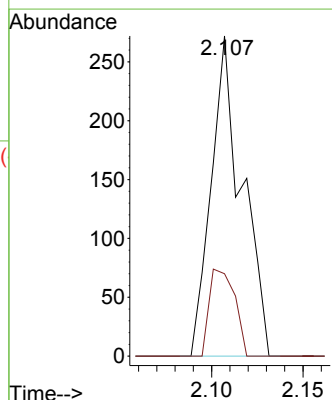
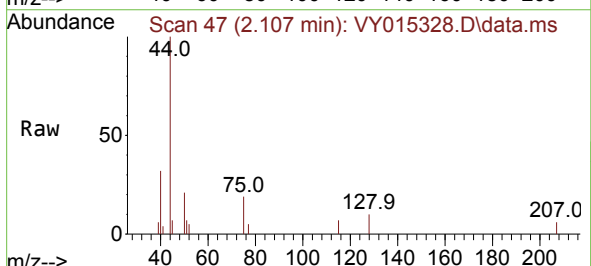
Acq: 24 Aug 2023 21:35

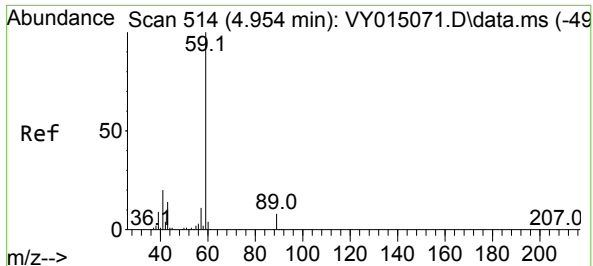
Tgt Ion: 50 Resp: 319

Ion Ratio Lower Upper

50 100

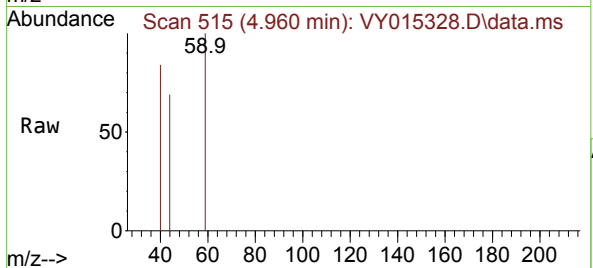
52 25.7 25.4 38.2



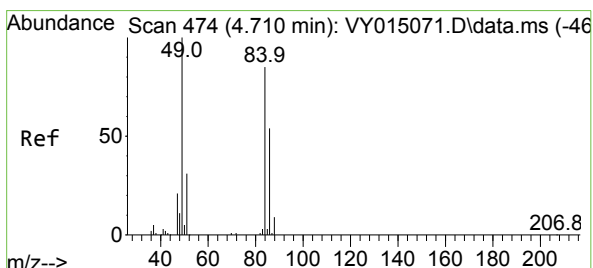
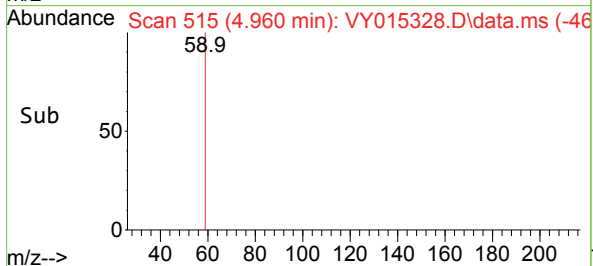
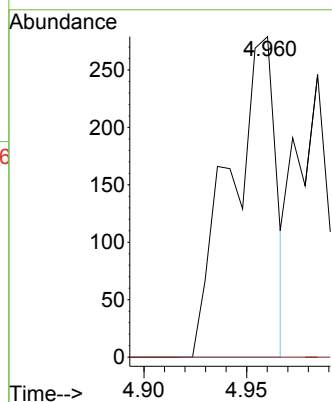


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

Instrument :
MSVOA_Y
ClientSampleId :

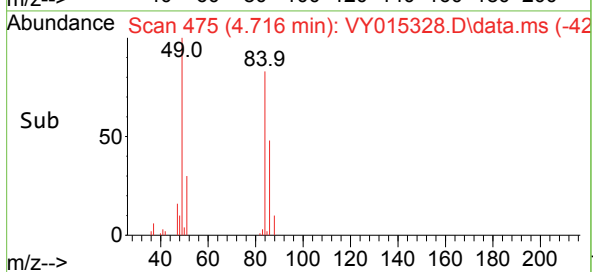
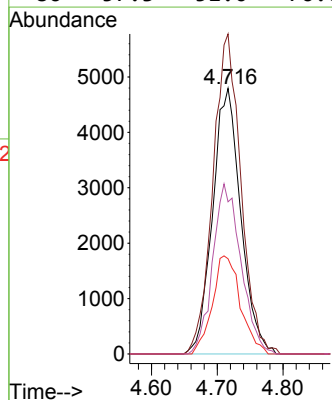
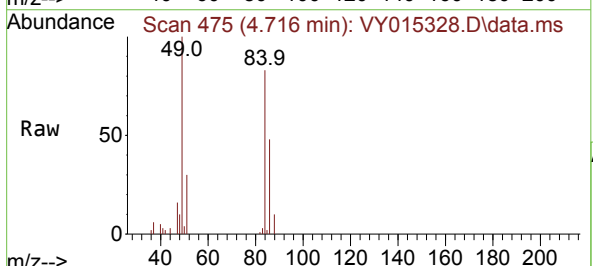


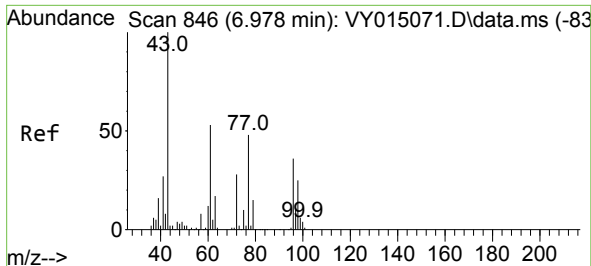
Tgt Ion: 59 Resp: 433
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#20
Methylene Chloride
Concen: 4.548 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

Tgt Ion: 84 Resp: 14266
Ion Ratio Lower Upper
84 100
49 120.5 106.9 160.3
51 35.9 33.2 49.8
86 57.3 51.0 76.6

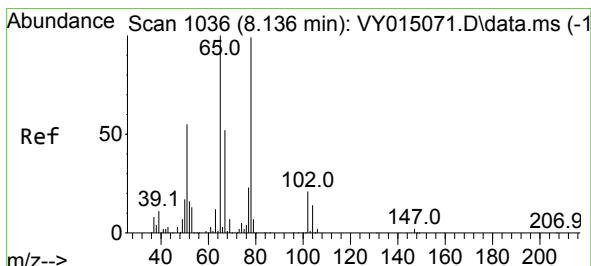
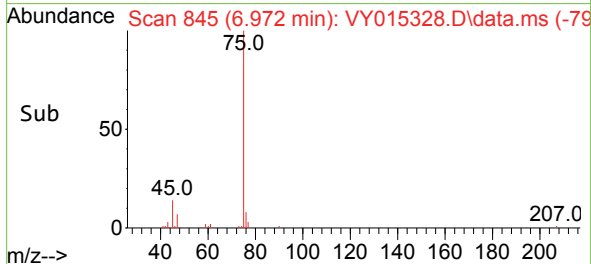
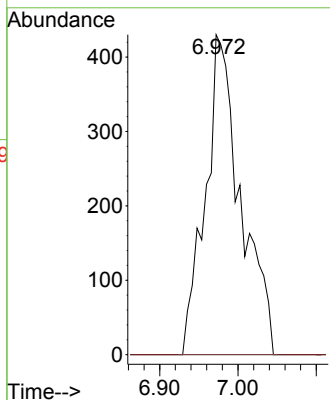
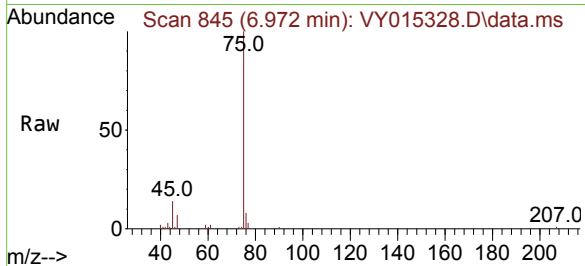




#25
2-Butanone
Concen: 1.357 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

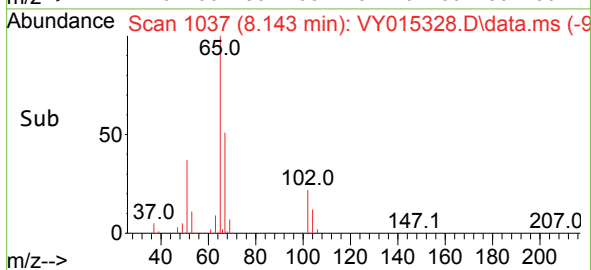
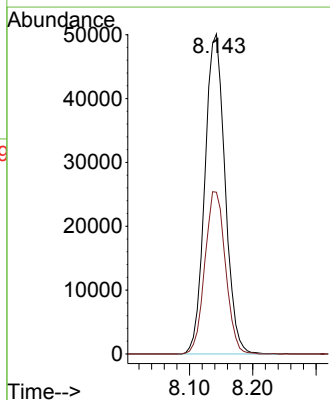
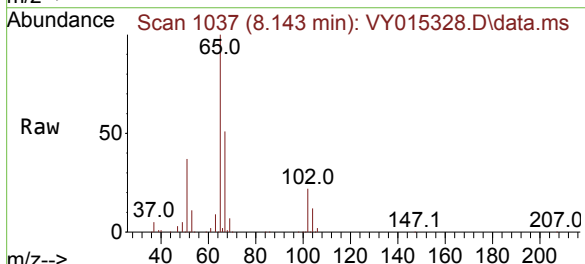
Instrument :
MSVOA_Y
ClientSampleId :

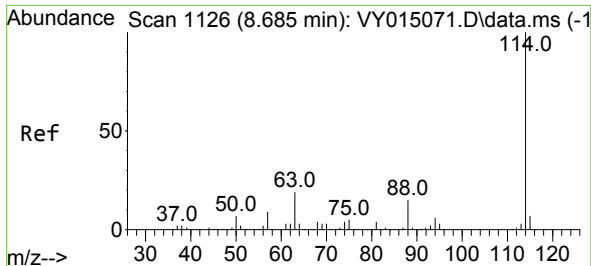
Tgt Ion: 43 Resp: 1349
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#33
1,2-Dichloroethane-d4
Concen: 51.707 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

Tgt Ion: 65 Resp: 111113
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015328.D

Acq: 24 Aug 2023 21:35

Instrument :

MSVOA_Y

ClientSampleId :

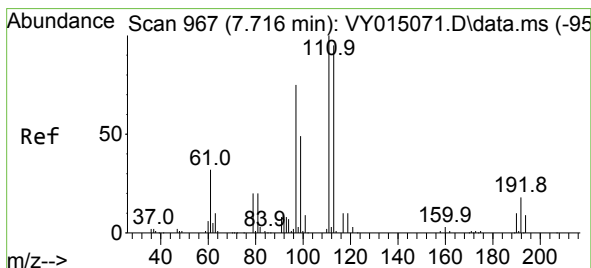
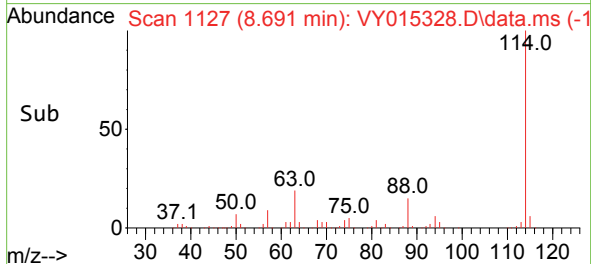
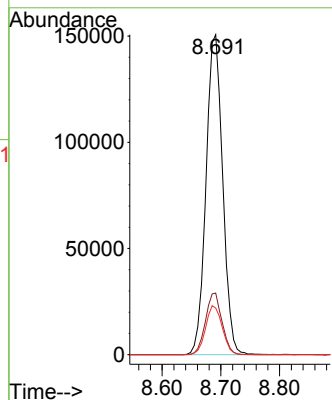
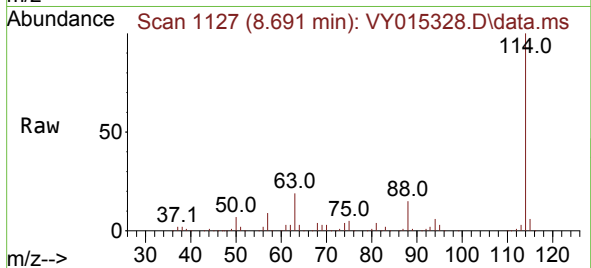
Tgt Ion:114 Resp: 297306

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.969 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015328.D

Acq: 24 Aug 2023 21:35

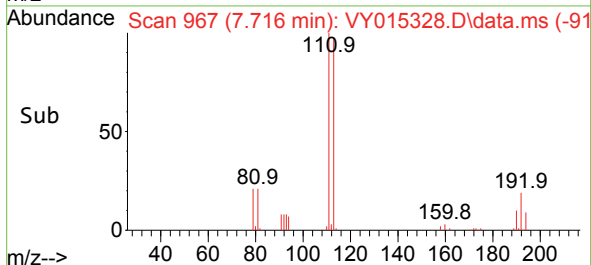
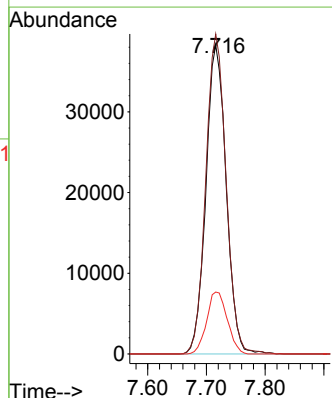
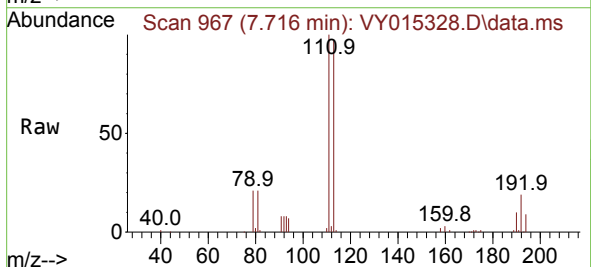
Tgt Ion:113 Resp: 91749

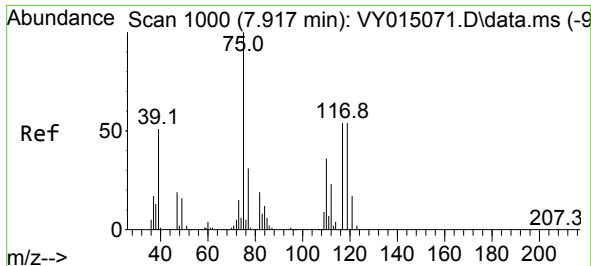
Ion Ratio Lower Upper

113 100

111 103.6 81.3 121.9

192 20.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 6.558 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.122 min

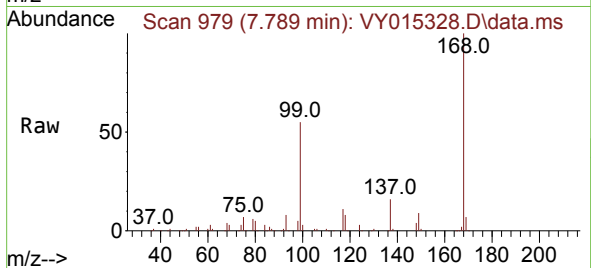
Lab File: VY015328.D

Acq: 24 Aug 2023 21:35

Instrument :

MSVOA_Y

ClientSampleId :



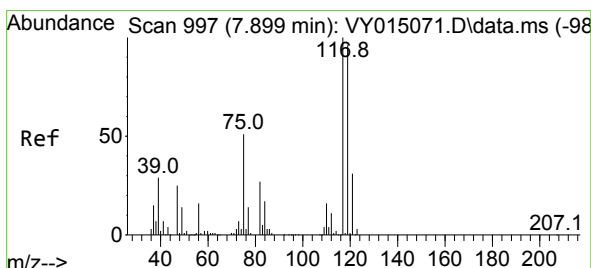
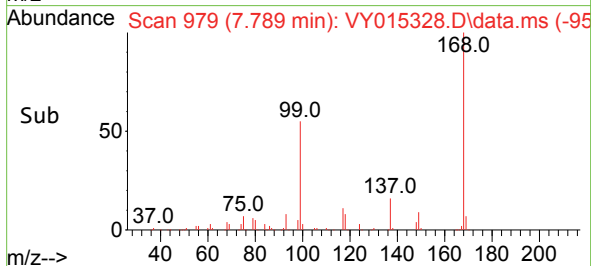
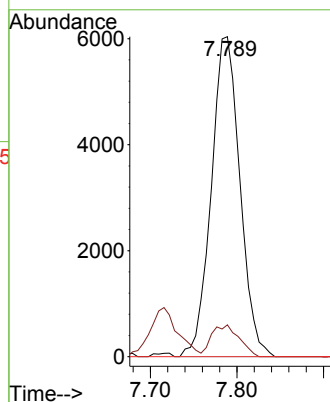
Tgt Ion: 75 Resp: 13877

Ion Ratio Lower Upper

75 100

110 9.5 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.198 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015328.D

Acq: 24 Aug 2023 21:35

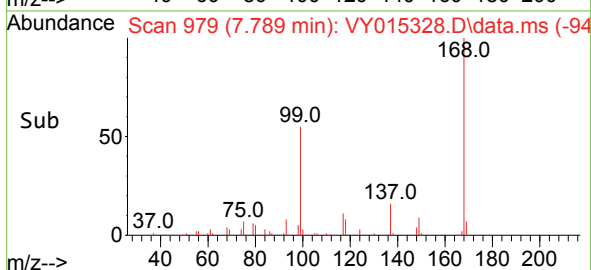
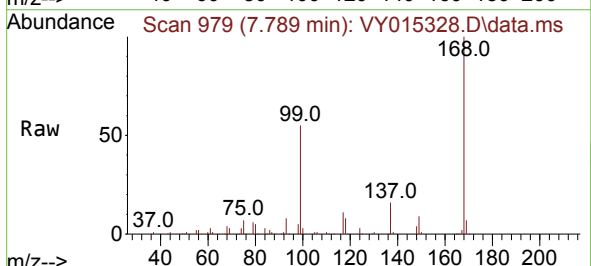
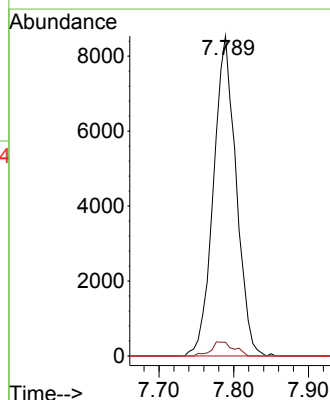
Tgt Ion: 117 Resp: 18026

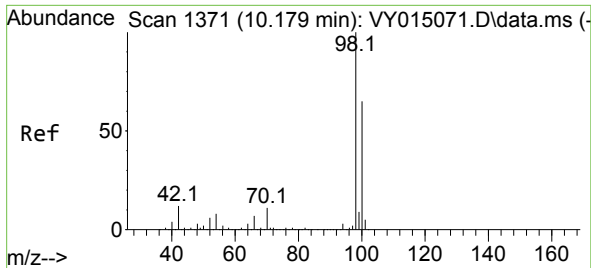
Ion Ratio Lower Upper

117 100

119 4.3 76.4 114.6#

121 0.0 25.8 38.6#

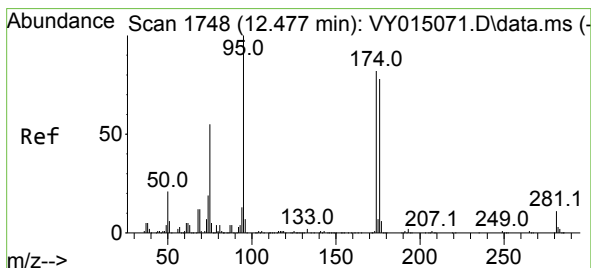
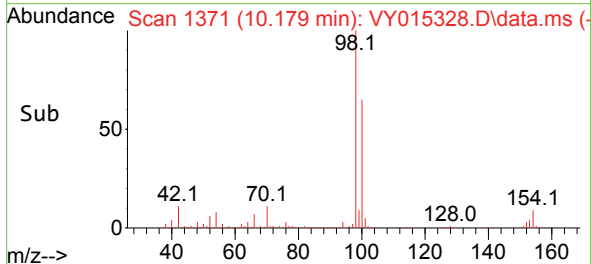
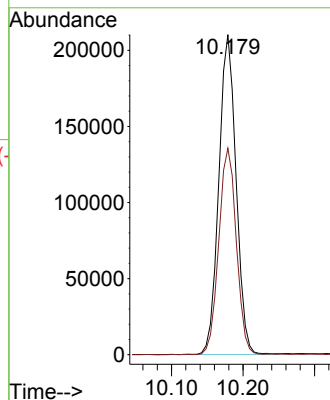
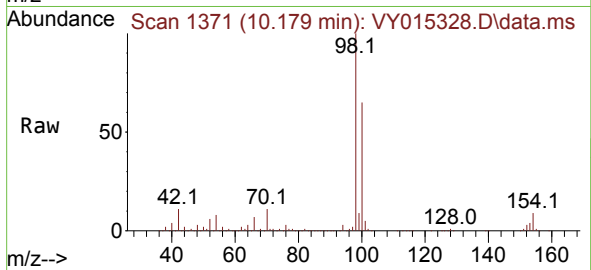




#50
Toluene-d8
Concen: 49.504 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

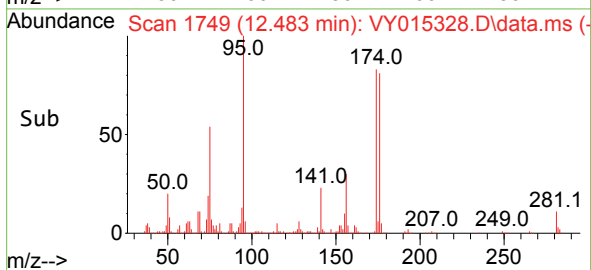
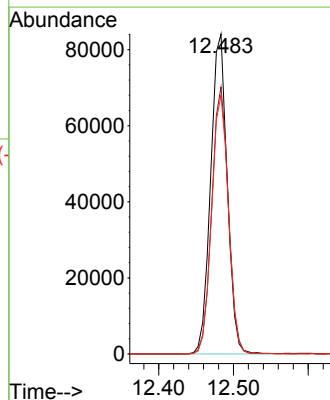
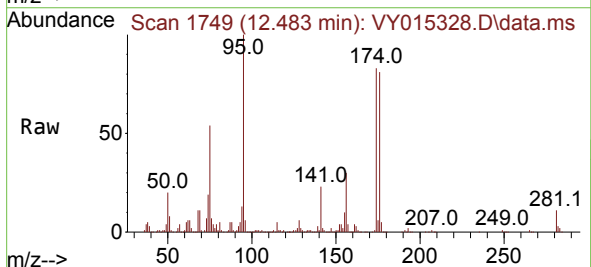
Instrument :
MSVOA_Y
ClientSampleId :

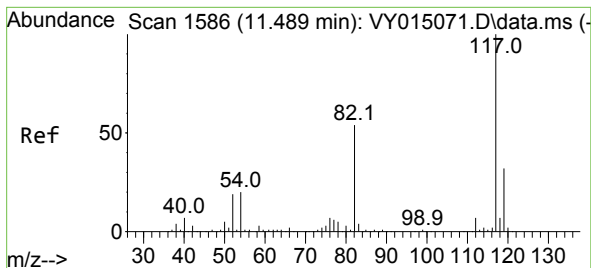
Tgt Ion: 98 Resp: 352475
Ion Ratio Lower Upper
98 100
100 65.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 49.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

Tgt Ion: 95 Resp: 129375
Ion Ratio Lower Upper
95 100
174 84.1 0.0 178.2
176 82.0 0.0 173.8

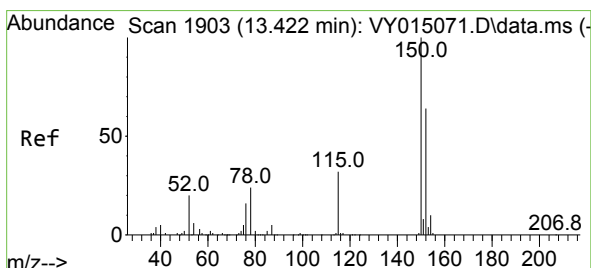
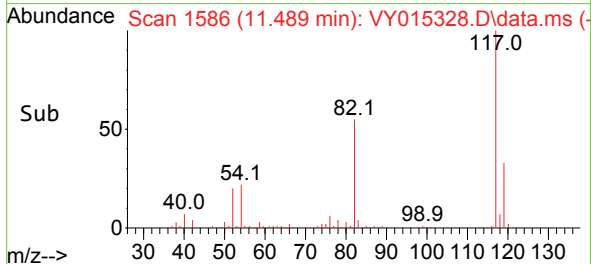
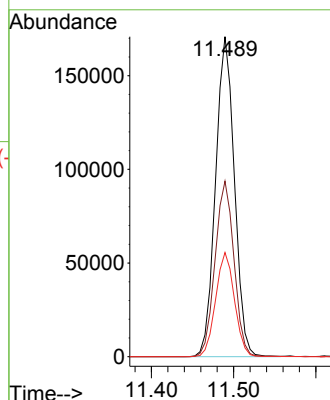
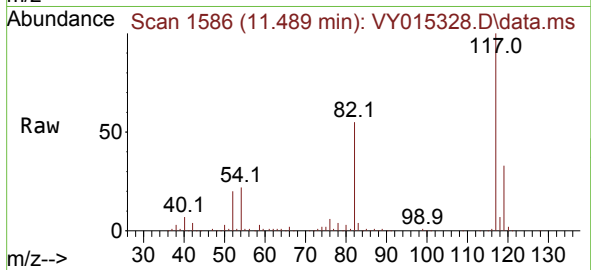




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

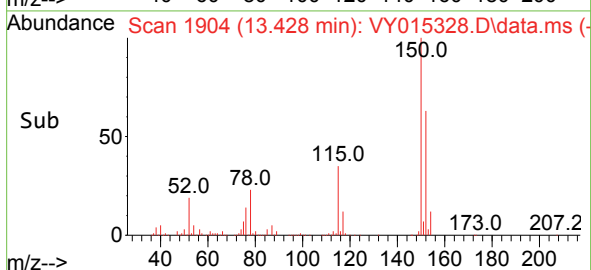
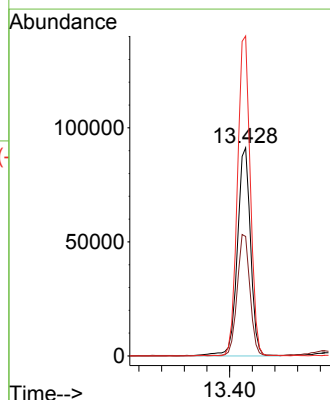
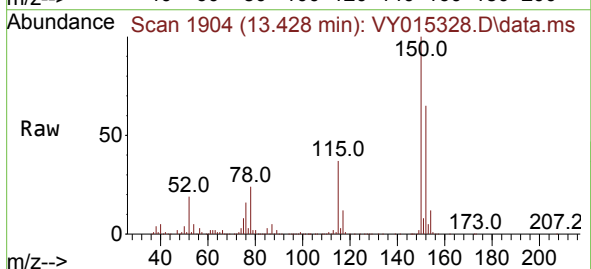
Instrument :
MSVOA_Y
ClientSampleId :

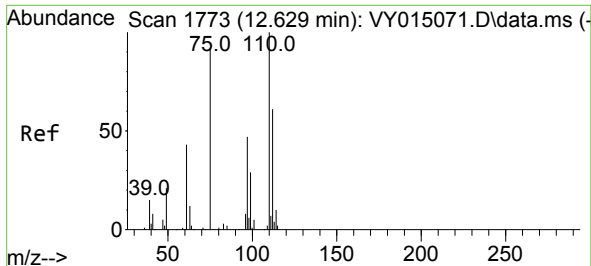
Tgt Ion:117 Resp: 272386
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

Tgt Ion:152 Resp: 147921
Ion Ratio Lower Upper
152 100
115 55.7 28.8 86.5
150 148.5 0.0 348.8

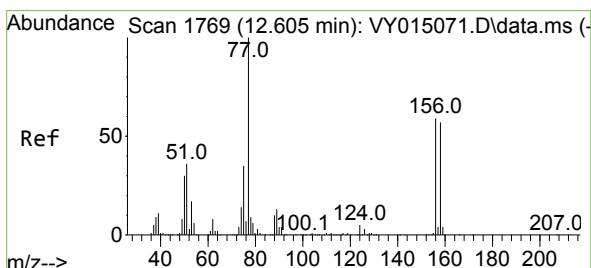
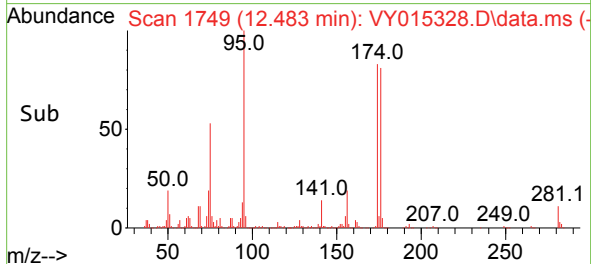
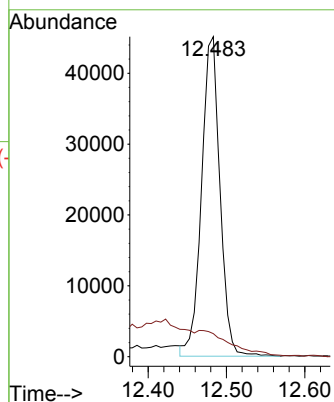
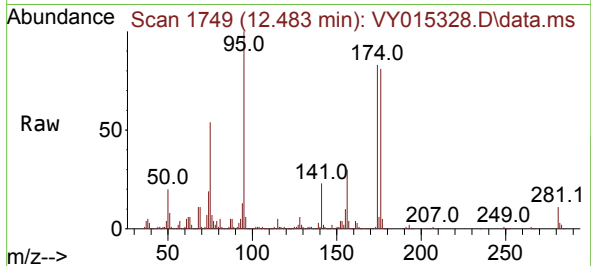




#76
1,2,3-Trichloropropane
Concen: 41.026 ug/l
RT: 12.483 min Scan# 1773
Delta R.T. -0.146 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

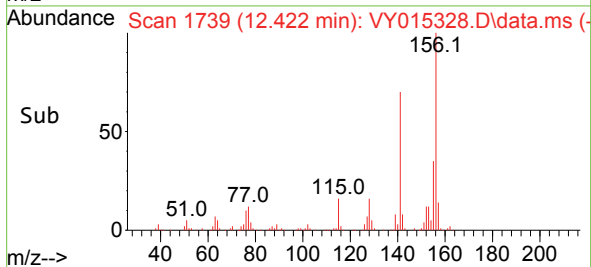
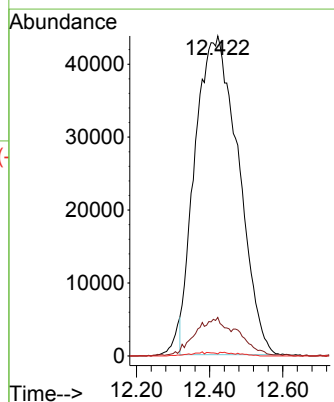
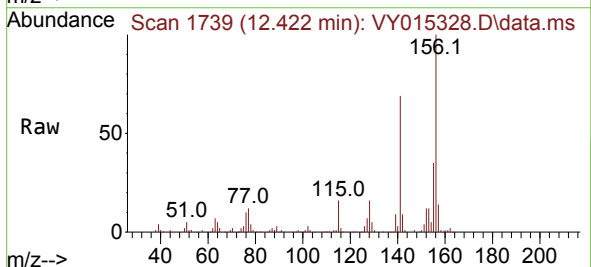
Instrument :
MSVOA_Y
ClientSampleId :

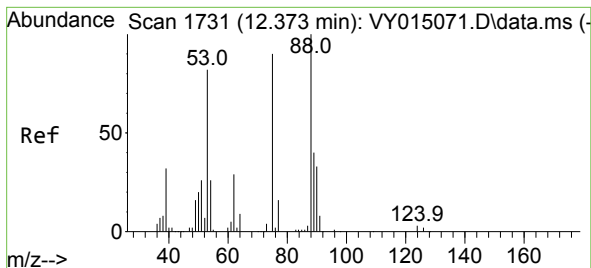
Tgt Ion: 75 Resp: 73729
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 154.224 ug/l
RT: 12.422 min Scan# 1739
Delta R.T. -0.183 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

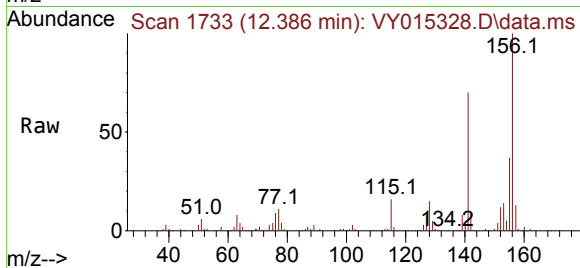
Tgt Ion: 156 Resp: 357573
Ion Ratio Lower Upper
156 100
77 0.0 92.8 278.6#
158 0.1 48.4 145.3#



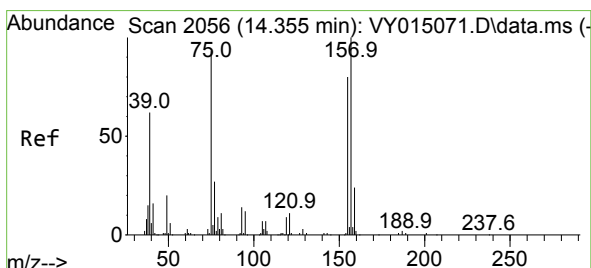
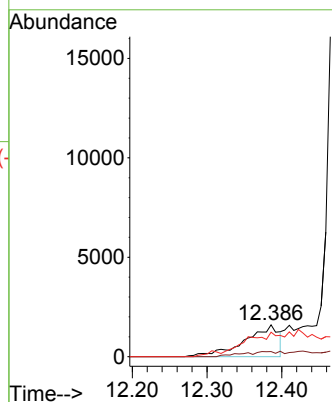
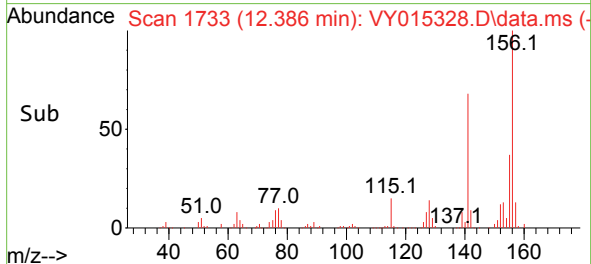


#81
trans-1,4-Dichloro-2-butene
Concen: 6.127 ug/l
RT: 12.386 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

Instrument :
MSVOA_Y
ClientSampleId :

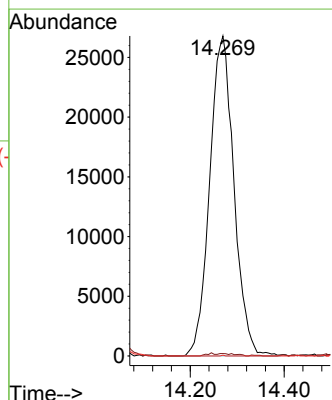
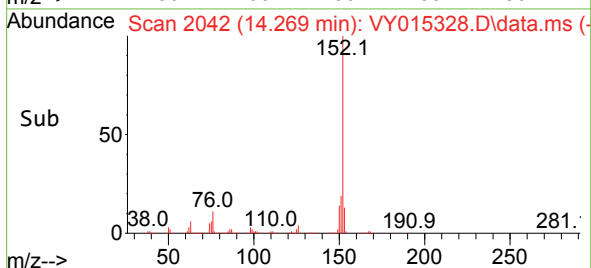
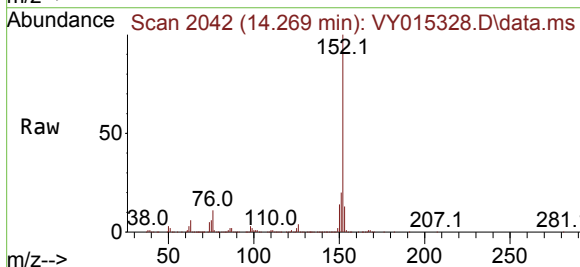


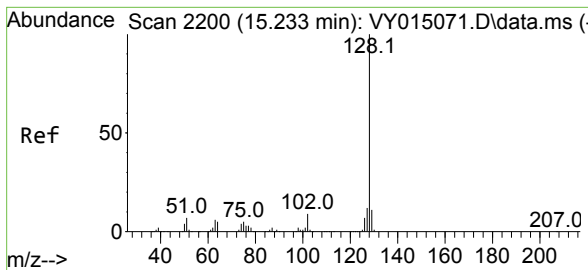
Tgt Ion: 75 Resp: 5013
Ion Ratio Lower Upper
75 100
53 15.7 77.8 116.8#
89 0.0 37.4 56.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 200.166 ug/l
RT: 14.269 min Scan# 2042
Delta R.T. -0.085 min
Lab File: VY015328.D
Acq: 24 Aug 2023 21:35

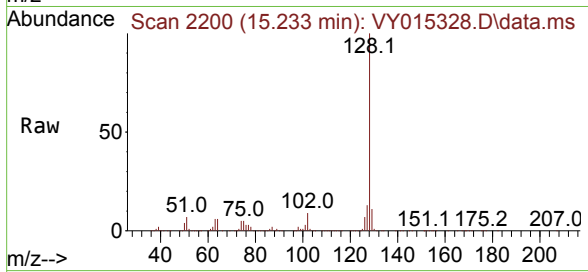
Tgt Ion: 75 Resp: 96059
Ion Ratio Lower Upper
75 100
155 0.5 41.5 124.6#
157 0.0 51.8 155.5#





#95
 Naphthalene
 Concen: 184.621 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY015328.D
 Acq: 24 Aug 2023 21:35

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:128 Resp: 1268426

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.8	16.2
129	11.1	8.6	13.0

